149

## Index of Claims (continued)

## \*10536670\*

Application/Control No. Applicant(s)/Patent under Reexamination 10/536,670 ZUEHLKE ET AL. Examiner Art Unit \*\*\* 1712

| Ļ  |          |
|----|----------|
| J. | Rejected |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|              |   | L                  |                                     |  |              |  |  |                                     | L        |          |
|--------------|---|--------------------|-------------------------------------|--|--------------|--|--|-------------------------------------|----------|----------|
|              |   |                    |                                     |  |              |  |  |                                     |          |          |
| Cla          |   |                    |                                     | [  | Date         | 9  |  |                                     |          |          |
|              | =   |                    |                                     |  |              |  |  |                                     |          |          |
| Final        | Original  |                    |                                     |  |              |  |  | l                                   |          |          |
| 谎            | <u>:</u> E  |                    |                                     | ŀ  |              |  |  |                                     |          |          |
|              | 0   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 157   | -                  | $\vdash$                            |  |              | _  | _  |                                     |          | Н        |
| <u> </u>     | 142   | $\vdash$           | _                                   |  |              |  |  |                                     | _        |          |
|              | 143   |                    | $\vdash$                            |  | -            |  |  |                                     | _        |          |
|              | 167   | -                  | ┝                                   |  |              | _  |  |                                     |          | Н        |
| <b></b> -    | 185   |                    | $\vdash$                            |  |              | -  |  |                                     | _        | Н        |
|              | 145   | <u> </u>           | H                                   |  |              | _  |  | $\vdash$                            |          | Н        |
| <u> </u>     | 100   | _                  | ⊢                                   |  | Н            | _  |  | $\vdash$                            |          | Н        |
|              | 10/   |                    | ⊢                                   |  | H            | -  |  | -                                   |          |          |
| <del></del>  | 100   |                    | ⊢                                   | _  | Н            | _  | -  | -                                   |          | Н        |
| <b>├</b> ──  | 139   | _                  | ⊢                                   | _  |              | _  | -  | -                                   |          | Н        |
|              | 100   |                    | <u> </u>                            | <u> </u>   | -            | ļ  | l  | <u> </u>                            | -        | Н        |
|              | 191   |                    | -                                   | <u> </u>   | $\vdash$     |  |  | <u> </u>                            |          | <u> </u> |
|              | 162   | L.,                | <u> </u>                            | L  | <b> </b>     | <u> </u>   | <b>_</b>   | <u> </u>                            | $\vdash$ | Щ        |
|              | 1603  | $\vdash$           | $\vdash$                            | _  | Ш            | <u> </u>   |  | $\vdash$                            | L        | Щ        |
| <u> </u>     | 164   | L.                 |                                     | L  | Ш            | <u> </u>   |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | Ш        |
|              | 165   |                    | <u> </u>                            | <u> </u>   |              | <u> </u>   |  | <u> </u>                            |          | Щ        |
|              | 152<br>153<br>154<br>155<br>156<br>157<br>158<br>159<br>160<br>161<br>162<br>163<br>166<br>167<br>168<br>169<br>171<br>172<br>173<br>174<br>175<br>176<br>176<br>176<br>176<br>176<br>176<br>176<br>176<br>176<br>176 | Ш                  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |  | Ш            | <u>_</u>   |  | L                                   | L        | Ш        |
|              | 167   |                    | <u> </u>                            | L  |              |  |  | <u> </u>                            |          | Щ        |
|              | 168   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 169   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 110   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 17/1  |                    |                                     |  |              |  |  |                                     |          |          |
|              | 172   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 173   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 124   |                    | П                                   |  |              |  |  | Г                                   |          |          |
|              | 175   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 176<br>177  |                    |                                     |  |              |  |  |                                     |          |          |
|              | 177   |                    | Г                                   |  |              |  |  |                                     |          |          |
|              | 178   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 179   |                    | $\vdash$                            |  |              |  |  |                                     |          |          |
| ┢            | 180   |                    | $\vdash$                            | _  | $\vdash$     | <del>-</del>                                     |  | $\vdash$                            |          |          |
| $\vdash$     | 181   |                    | $\vdash$                            | <del>                                     </del> | H            | <u> </u>   | <del>                                     </del> | $\vdash$                            | Н        | Н        |
| <b>-</b>     | 182   | -                  | -                                   | Ι  | $\vdash$     | H  |  | $\vdash$                            |          | Н        |
| <b>-</b>     | 183   | -                  | $\vdash$                            | $\vdash$   | $\vdash$     | -  | $\vdash$   | $\vdash$                            | $\vdash$ | Н        |
| <u> </u>     | 184   |                    | <del> </del>                        | <del> </del>                                     | $\vdash$     | <del>                                     </del> | -  | -                                   |          | Н        |
| <del> </del> | 179<br>180<br>181<br>182<br>183<br>184<br>185   |                    | ├                                   |  | -            | _  | -  | ├─                                  |          | Н        |
| -            | 100   | <del> </del>       | $\vdash$                            |  | -            |  | <b>-</b>   | $\vdash$                            | $\vdash$ | $\vdash$ |
|              | 186   | $\vdash$           | ├                                   | <u> </u>   |              | <u> </u>   | _  | $\vdash$                            | $\vdash$ | Н        |
| <b></b> -    | 187<br>188  | -                  | <u> </u>                            | <u> </u>   |              | <u> </u>   | -  | $\vdash$                            | $\vdash$ | Н        |
| ļ            | 188   | -                  | <u> </u>                            | ļ  |              | <u> </u>   | _  | $\vdash$                            |          | Н        |
| <b></b>      | 189   | <u> </u>           | <u> </u>                            | <u> </u>   | $\vdash$     | Щ.   | <u> </u>   | $\vdash$                            | $\vdash$ | Н        |
| ļ            | 190   | <u> </u>           | <u> </u>                            | L  | <u> </u>     | Щ.   |  |                                     |          | Ш        |
| <b></b>      | 191   | ļ                  | <u> </u>                            | L.   | $oxed{oxed}$ | L  |  | L                                   |          | Ш        |
|              | 192   | L                  | L                                   | L  | $oxed{oxed}$ | Ц.   |  | <u>L</u>                            | 느        |          |
|              | 193   | L_                 | L                                   |  | <u> </u>     | L.   |  | _                                   |          | Ш        |
| L            | 194   | $oxedsymbol{oxed}$ |                                     |  | L            | L  |  | L                                   |          |          |
|              | 195   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 196   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 197   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 198   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 199   |                    |                                     |  |              |  |  |                                     |          |          |
|              | 200   | Т                  | T                                   |  |              |  |  | г                                   |          | $\Box$   |

| laim              |          |              |              | Date         | 9        |          |                 |                | ]   | Cla   | aim        |                 |                |              | Date   | 9            |          |   |                |
|-------------------|----------|--------------|--------------|--------------|----------|----------|-----------------|----------------|-----|-------|------------|-----------------|----------------|--------------|--|--------------|----------|---|----------------|
| Original          |          |              |              |              |          |          |                 |                |     | Final | Original   |                 |                |              |  |              |          |   |                |
| 159               |          |              |              |              |          |          |                 |                | 1   |       | 201        |                 |                |              |  |              |          |   |                |
| 152<br>153        |          |              |              |              |          |          |                 |                |     |       | 202        |                 |                |              |  |              |          |   |                |
| 153               |          |              |              |              |          |          |                 |                |     |       | 203        |                 |                |              |  |              |          |   |                |
| 154               |          | L            |              |              |          |          |                 |                |     |       | 204        |                 |                | <u> </u>     |  |              |          |   |                |
| 155               |          |              |              |              |          |          |                 |                |     |       | 205        | $\Box$          | <u> </u>       | <u> </u>     |  |              |          |   | $\Box$         |
| 156               | $\bot$   |              |              |              |          |          |                 | <u> </u>       | Į   |       | 206        | $\Box$          | Ш.             | L            |  |              |          |   |                |
| 157               |          | L.           |              |              |          |          |                 |                |     |       | 207        |                 | ╽.             |              |  |              |          |   | $\Box$         |
| 158               |          |              |              |              |          |          |                 |                |     |       | 208        |                 |                | <u> </u>     |  |              |          |   |                |
| 159               |          | <u> </u>     |              | ļ            |          | L.       |                 |                |     |       | 209        |                 |                | _            |  |              |          |   |                |
| 160               |          |              |              |              |          |          |                 |                |     |       | 210        | $\perp$         |                |              |  |              |          |   |                |
| 161               |          |              |              |              |          |          |                 | L.             | .   |       | 211        | $\perp$         |                | $oxed{oxed}$ | <u> </u>   |              |          |   |                |
| 162               |          |              |              |              |          |          | $ldsymbol{eta}$ |                |     |       | 212        |                 |                |              | _  |              |          |   | $\Box$         |
| 163               |          |              |              | _            |          |          |                 |                | 1   |       | 213        |                 |                | <u> </u>     | $ldsymbol{ld}}}}}}$ |              |          |   |                |
| 164               |          |              |              |              |          |          |                 |                |     |       | 214        |                 | Ц_             |              |  |              |          |   |                |
| 165               |          | L.           |              |              |          |          |                 |                |     |       | 215        |                 |                | <u> </u>     | _  |              |          | _ | $\Box$         |
| 166               |          | _            |              |              |          |          |                 |                |     |       | 216        | Ц.              | Ц              | L            | _  |              |          |   |                |
| 167               |          |              |              |              |          | _        |                 | L_             |     |       | 217        | $\perp$         |                |              |  |              |          |   |                |
| 168               | _        |              |              |              |          |          |                 |                |     |       | 218        | $\perp$         |                | <u> </u>     | <u> </u>   |              |          |   | _              |
| 168<br>169<br>170 |          |              | Ш            |              |          |          | _               | _              |     |       | 219        | $\perp$         |                | Ļ            | <u> </u>   |              |          |   |                |
| 170               |          | L_           | L            |              |          |          |                 | <u> </u>       |     |       | 220        | $\perp$         |                | ┖            |  |              |          |   |                |
| 171               |          |              |              | _            |          |          |                 |                |     |       | 221        | $\perp$         |                | _            | <u> </u>   |              |          |   | _              |
| 172<br>178        |          | <u> </u>     | Ш            | _            |          |          |                 |                |     |       | 222        | 1               |                | _            | ļ  |              |          |   | $\Box$         |
| 173               |          |              |              |              |          |          |                 |                | .   |       | 223        | $\perp$         |                | <u> </u>     |  |              |          |   | _              |
| 1                 |          | L.           |              |              |          |          |                 |                |     |       | 224        |                 | <del> </del> - | <u> </u>     | _  |              |          |   | $\dashv$       |
| 175               |          |              |              | L            |          |          |                 |                |     |       | 225        |                 |                | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  |              |          |   | _              |
| 176               |          |              | lacksquare   |              |          |          |                 |                |     |       | 226        | $\perp$         | _              | <u> </u>     | L  |              | Щ        |   | _              |
| 177               |          | L            |              | _            |          |          |                 |                |     |       | 227        |                 |                | _            |  |              |          |   | _              |
| 178               |          |              | _            | L.           |          |          |                 |                |     |       | 228        |                 |                | _            | <u> </u>   |              |          |   | $\dashv$       |
| 179               |          |              |              |              |          |          |                 |                |     |       | 229        |                 | -              | <u> </u>     | ldash  | _            | Ш        |   |                |
| 180               |          |              | _            | _            |          |          |                 |                | .   |       | 230        |                 |                | ┡            | <u> </u>   |              |          |   | $\dashv$       |
| 181               |          | L            | <u> </u>     |              |          |          |                 |                |     |       | 231        |                 | - -            | _            | L  | _            |          |   | $\dashv$       |
| 182               | _        | <u> </u>     | _            | <u></u>      |          |          | _               | _              |     |       | 232        | $\vdash$        |                | _            |  | $oxed{oxed}$ |          |   | _              |
| 183               |          |              |              |              | _        |          |                 |                |     |       | 233        | $\vdash$        | +              | _            |  |              |          |   | $\blacksquare$ |
| 184               |          |              |              |              |          |          |                 | ļ              |     |       | 234        | $\vdash$        | _              | 1            |  |              |          |   |                |
| 185               |          |              |              |              | _        |          |                 |                |     |       | 235        | $\vdash$        |                |              |  |              |          |   |                |
| 186               | $\dashv$ | <del> </del> | $\vdash$     | <u> </u>     | H        | $\vdash$ | $\vdash$        | $\vdash$       |     |       | 236        | $\vdash$        | -              | ـــ          | $\vdash$   | $\vdash$     | $\sqcup$ |   |                |
| 187               | -        | <b>.</b>     |              | <u> </u>     |          | H        | $\vdash$        | <u> </u>       |     |       | 237        | $\vdash$        | +              | $\vdash$     | <u> </u>   | $\vdash$     | $\sqcup$ | _ |                |
| 188               | _        | <u> </u>     | <u> </u>     | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$        | <u> </u>       |     |       | 238        | $\vdash$        | +              | $\vdash$     | <u> </u>   | <u> </u>     |          | _ | Ш              |
| 189               |          | -            | <u> </u>     | <u> </u>     | $\vdash$ | <u> </u> | $\vdash$        | $\vdash$       |     |       | 239        | $\vdash$        | +              | ₩            | -  | $\vdash$     |          |   | $\vdash$       |
| 190               |          | ļ            | <u> </u>     | <u> </u>     |          | -        |                 | _              |     |       | 240        | $\vdash \vdash$ |                | ┼            | -  | H            |          |   |                |
| 191               |          |              | <u> </u>     | ļ            |          |          |                 | _              | 1   |       | 241        | $\vdash$        |                | ┼            |  |              |          |   | Н              |
| 192               |          |              | $\vdash$     | <u> </u>     |          | <u> </u> | H               | <del> </del>   |     |       | 242        |                 | +              | $\vdash$     | -  | <u> </u>     | $\vdash$ |   | $\vdash\vdash$ |
| 193               |          |              | <u> </u>     | <u> </u>     |          | <u> </u> | H               | ├-             |     |       | 243        | -               | +              | <del>-</del> | -  | $\vdash$     | $\vdash$ |   | Н              |
| 194               | _        | -            | <del> </del> | L            | $\vdash$ |          |                 |                |     |       | 244        | $\vdash$        | +              | ┼—           | <del>  -  </del>   |              |          | _ | $\vdash$       |
| 195<br>196        | $\dashv$ | ├—           | <del> </del> |              | H        | Ь.       | H               | <del>  -</del> | 1   |       | 245        | $\vdash$        |                | ┼-           | $\vdash$   | <u> </u>     |          | _ | $\vdash$       |
|                   |          |              | -            |              | Н        | Ь.       | -               | $\vdash$       |     |       | 246        | $\vdash \vdash$ | +              | -            | H  | $\vdash$     | $\vdash$ |   | $\vdash$       |
| 197               |          | -            | <u> </u>     | $\vdash$     |          | -        | -               | ├-             |     |       | 247        | $\vdash \vdash$ | +-             | $\vdash$     | $\vdash$   | <del> </del> |          | _ | $\vdash\vdash$ |
| 198               |          | -            | -            | <u> </u>     | -        | H        | $\vdash$        | $\vdash$       |     |       | 248<br>249 | $\vdash$        | +              | ╀            | <u> </u>   | $\vdash$     | $\vdash$ |   | $\vdash$       |
| 199<br>200        | +        |              | H            | <del> </del> | -        | H        | $\vdash$        | ├              |     |       | 250        |                 | +              | ┼            | <del>                                     </del>   |              | $\vdash$ |   | $\vdash\vdash$ |
| 1200              |          |              | L            | L            | L        | <u> </u> | _               | Ц_             | J I |       | 230        | Щ.              |                | _            | <u> </u>   | L            | L        |   | ш              |

|               |            |  |   |          | :        |              |              |   |                   |                 |  |
|---------------|------------|--|---|----------|----------|--------------|--------------|---|-------------------|-----------------|--|
| Cla           | aim        | Date   |   |          |          |              |              |   |                   |                 |  |
| Final         | Original   |  |   |          |          |              |              |   |                   |                 |  |
|               | 251        |  |   | $\vdash$ |          | Ι-           |              |   | -                 |                 |  |
|               | 252        | Т  |   |          | Г        |              |              |   |                   |                 |  |
|               | 253<br>254 |  |   |          |          |              |              |   |                   |                 |  |
|               | 254        |  |   |          |          |              |              |   |                   |                 |  |
|               | 255<br>256 | _  | $ldsymbol{ld}}}}}}$ | _        | _        | <u> </u>     |              |   |                   |                 |  |
|               | 256        | _  | <u> </u>  | Ш        | <u> </u> | <u> </u>     |              |   | _                 | Щ               |  |
|               | 257        | _  |   | _        | _        | _            | _            |   | _                 |                 |  |
|               | 258<br>259 | <del> </del>                                     | _   |          |          | <u> </u>     | -            |   | _                 | $\vdash$        |  |
|               | 260        |  |   | -        | _        | <del> </del> | -            |   | _                 | Н               |  |
|               | 261        | -  | <del> </del>  |          |          |              |              |   |                   | -               |  |
|               | 262        |  | $\vdash$  |          |          |              | $\vdash$     |   | $\vdash$          | Н               |  |
|               | 263        |  |   |          |          |              |              |   |                   |                 |  |
|               | 264        |  |   |          |          |              |              |   |                   |                 |  |
|               | 265        |  |   |          |          |              |              |   |                   |                 |  |
|               | 266        | _  | _   |          |          |              |              |   |                   | Ш               |  |
|               | 267        | <u> </u>   | <u> </u>  |          | :        | <u> </u>     | <u> </u>     |   | ļ                 | Ш               |  |
| <del></del> - | 268        | <u> </u>   | ┝   |          |          |              |              |   | <u> </u>          | Н               |  |
|               | 269<br>270 | ┝  | ┝   | -        | _        | -            | H            |   | _                 | Н               |  |
|               | 271        | ┢─   | ┝   |          | _        |              |              | - |                   | Н               |  |
|               | 272        | <del>                                     </del> | $\vdash$  | _        | _        | -            |              |   |                   | т               |  |
|               | 272<br>273 |  | _   | _        | _        |              |              |   | $\vdash$          | _               |  |
|               | 274        |  |   |          |          |              |              |   |                   |                 |  |
|               | 275        |  |   |          |          |              |              |   |                   |                 |  |
|               | 276        |  | _   |          |          |              |              |   |                   |                 |  |
|               | 277<br>278 | <u> </u>   | _   |          | _        | _            |              |   | _                 | Н               |  |
|               | 278        | ┝  |   |          |          |              | H            |   | _                 | Н               |  |
|               | 279<br>280 | ┝  | $\vdash$  | $\vdash$ | _        |              |              |   |                   | $\vdash$        |  |
|               | 281        | _  | $\vdash$  |          |          |              |              |   |                   | Н               |  |
|               | 282        |  |   |          |          |              |              |   |                   |                 |  |
|               | 283        |  |   |          |          |              |              |   |                   |                 |  |
|               | 284        |  |   |          |          |              |              |   |                   |                 |  |
|               | 285        |  |   |          |          |              |              |   |                   |                 |  |
|               | 286        |  | _   |          |          |              |              |   |                   | Щ               |  |
|               | 287        |  | _   |          |          |              | <u> </u>     |   | <u> </u>          | $\dashv$        |  |
|               | 288<br>289 | -  | -   | _        | -        | -            | <del> </del> |   | $\vdash$          | $\dashv$        |  |
| _             | 290        |  | <del> </del>  | $\vdash$ | <u> </u> | _            | <del> </del> |   | ├                 | -               |  |
|               | 291        | -  | $\vdash$  |          |          | -            | $\vdash$     |   | -                 | $\vdash \vdash$ |  |
|               | 292        | $\vdash$   | $\vdash$  | Н        | $\vdash$ | $\vdash$     | ┢            |   | $\vdash$          | Н               |  |
|               | 293        |  |   |          |          |              |              |   |                   |                 |  |
|               | 294        |  |   |          |          |              |              |   |                   |                 |  |
|               | 295        |  |   |          |          |              | 匚            |   | 匚                 |                 |  |
|               | 296        | L  | <u> </u>  |          |          | <u> </u>     | <u> </u>     |   | $ldsymbol{f eta}$ | Ш               |  |
|               | 297        | <u> </u>   | _   | $\vdash$ |          | <u> </u>     | $\vdash$     | H | <u> </u>          | Ш               |  |
|               | 298        | $\vdash$   | _   | H        |          | <u> </u>     | <u> </u>     |   | _                 | Н               |  |
|               | 299<br>300 | $\vdash$   | -   | $\vdash$ | _        | $\vdash$     | $\vdash$     | - | ⊢                 | $\vdash$        |  |
|               | 300        | Щ.   | L   | L        |          | l            | <u> </u>     | L | L                 | لـــا           |  |